

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.  
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 4/12/2016, 4/13/2016, 4/14/2016 (Half)</b>	Man Days: 2.5
<b>Inspection Unit: Jacksonville</b>	
<b>Location of Audit: Jacksonville</b>	
<b>Exit Meeting Contact:</b>	
<b>Inspection Type: Standard Inspection - Field Audit</b>	
<b>Pipeline Safety Representative(s): Kevin Hecker</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

<b>Headquarters Address Information:</b>	300 Liberty Peoria, IL 61602 Emergency Phone#: (800) 755-5000 Fax#:	
<b>Official or Mayor's Name:</b>	Ron Pate Phone#: (217) 424-6518 Email:	
<b>Inspection Contact(s)</b>	<b>Title</b>	<b>Phone No.</b>
Chris Juliusson	Quality Assurance Consultant	

CUSTOMER METER & REGULATOR	Status
<b><u>Category Comment:</u></b>  <i>Staff inspected meter sets at the following locations for damage protection, venting requirements, stress, meter case ratings and valve requirements.</i>  <i>Jacksonville:</i>  130 Sandusky St. 1 Harmony Drive 12 Somerset Drive 138 Sandusky St. 2 Harmony Drive 13 Somerset Drive 212 Sandusky St. 3 Harmony Drive 14 Somerset Drive 218 Sandusky St. 4 Harmony Drive 15 Somerset Drive 222 Sandusky St. 6 Harmony Drive 16 Somerset Drive 278 Sandusky St. 8 Harmony Drive 17 Somerset Drive 280 Sandusky St. 10 Harmony Drive 18 Somerset Drive 281 Sandusky St. 12 Harmony Drive 19 Somerset Drive 284 Sandusky St. 14 Harmony Drive 20 Somerset Drive 285 Sandusky St. 15 Harmony Drive 809 Doolin Avenue 286 Sandusky St. 17 Harmony Drive 810 Doolin Avenue 287 Sandusky St. 18 Harmony Drive 815 Doolin Avenue 288 Sandusky St. 19 Harmony Drive 816 Doolin Avenue	

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

289 Sandusky St. 20 Harmony Drive 824 Doolin Avenue  
 290 Sandusky St. 21 Harmony Drive 829 Doolin Avenue  
 291 Sandusky St. 22 Harmony Drive 833 Doolin Avenue  
 293 Sandusky St. 23 Harmony Drive 838 Doolin Avenue  
 294 Sandusky St. 24 Harmony Drive 847 Doolin Avenue  
 294A Sandusky St. 25 Harmony Drive 858 Doolin Avenue  
 296 Sandusky St. 26 Harmony Drive 859 Doolin Avenue  
 307 Sandusky St. 28 Harmony Drive 909 Doolin Avenue  
 326 Sandusky St. 30 Harmony Drive 915 Doolin Avenue  
 328 Sandusky St. 32 Harmony Drive 922 Doolin Avenue  
 334 Sandusky St. 34 Harmony Drive 924 Doolin Avenue  
 341 Sandusky St. 36 Harmony Drive 925 Doolin Avenue  
 346 Sandusky St. 9 Somerset Drive  
 347 Sandusky St. 10 Somerset Drive  
 351 Sandusky St. 11 Somerset Drive

[192.353(a)]	Is the customer meter and regulator installed in a readily accessible location and protected from corrosion and other damage, including if installed outside a building, vehicular damage that may be anticipated?	<b>Unsatisfactory</b>
--------------	--	-----------------------

**Issue Comment:**

*The meter set at 18 Somerset, Jacksonville was low with the meter touching the ground.*

[192.355(b)(1)]	Is the customer regulator vent rain and insect resistant?	<b>Satisfactory</b>
[192.355(b)(2)]	Is the customer regulator vent located where gas from the vent escapes freely into the atmosphere and away from building openings?	<b>Satisfactory</b>
[192.355(b)(3)]	Is the vent protected from damage caused by submergence in areas of flooding?	<b>Satisfactory</b>
[192.357(a)]	Is the customer meter and regulator installed to minimize anticipated stresses upon connecting piping?	<b>Satisfactory</b>
[192.357(d)]	Is a customer regulator that might release gas vented to the outside atmosphere?	<b>Satisfactory</b>
[192.359(a)]	Is the meter operating pressure within the allowable limits of the meter case rating?	<b>Satisfactory</b>
[192.365(a)]	Is the service line valve upstream of the regulator or meter?	<b>Satisfactory</b>
[192.365(c)]	Is the underground service line valve located in a curb box or standpipe that allows for ready operation?	<b>Not Checked</b>

**General Comment:**

*Staff did not inspect any underground service line valves as part of this audit.*

[192.727(d)][192.727(d)]	When service to the customer has been discontinued has the proper method been utilized to prevent unauthorized usage?	<b>Satisfactory</b>
--------------------------	---	---------------------

**General Comment:**

*Staff observed meter sets pin-locked in the off position at the following locations in Jacksonville:*

837 Doolin Ave.  
 858 Doolin Ave.  
 923 Doolin Ave.  
 924 Doolin Ave.

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

CATHODIC PROTECTION		Status
[192.463(a)]	Is the applicable cathodic protection criteria contained in Appendix D of this part being followed?	Satisfactory
[192.465(a)]	Were pipe to soil readings taken?	Satisfactory
<p><b><u>General Comment:</u></b></p> <p>Staff paid particular attention to pipe-to-soil readings taken at isolated services. See below question related to isolated services for readings.</p>		
[192.465(b)]	Were rectifier installations inspected?	Satisfactory
<p><b><u>General Comment:</u></b></p> <p>Staff inspected the E. Oak Street rectifier in Jacksonville and obtained the following readings:</p> <p>Coarse: 2            Fine: 5            16.37 V            @ 11.2mV (with .3 shunt) = 3.36 A</p>		
[192.465(a)]	Were isolated mains/services tested?	Satisfactory
<p><b><u>General Comment:</u></b></p> <p>130 Sandusky St.: -1.167 1 Harmony Drive: -1.143 12 Somerset Drive: -1.242            138 Sandusky St.: -1.256 2 Harmony Drive: -1.144 13 Somerset Drive: -1.233            212 Sandusky St.: -1.268 3 Harmony Drive: -1.156 14 Somerset Drive: -1.239            218 Sandusky St.: -1.274 4 Harmony Drive: -1.156 15 Somerset Drive: -1.232            222 Sandusky St.: -1.263 6 Harmony Drive: -1.161 16 Somerset Drive: -1.245            278 Sandusky St.: -1.259 8 Harmony Drive: -1.166 17 Somerset Drive: -1.245            280 Sandusky St.: -1.276 10 Harmony Drive: -1.170 18 Somerset Drive: -1.244            281 Sandusky St.: -1.276 12 Harmony Drive: -1.179 19 Somerset Drive: -1.242            284 Sandusky St.: -1.280 14 Harmony Drive: -1.191 20 Somerset Drive: -1.251            285 Sandusky St.: -1.265 15 Harmony Drive: -1.207 809 Doolin Avenue: -1.393            286 Sandusky St.: -1.274 17 Harmony Drive: -1.208 810 Doolin Avenue: -1.403            287 Sandusky St.: -1.274 18 Harmony Drive: -1.204 815 Doolin Avenue: -1.317            288 Sandusky St.: -1.272 19 Harmony Drive: -1.200 816 Doolin Avenue: -1.405            289 Sandusky St.: -1.266 20 Harmony Drive: -1.205 824 Doolin Avenue: -1.412            290 Sandusky St.: -1.264 21 Harmony Drive: -1.207 829 Doolin Avenue: -1.402            291 Sandusky St.: -1.261 22 Harmony Drive: -1.209 833 Doolin Avenue: -1.415            293 Sandusky St.: -1.274 23 Harmony Drive: -1.213 838 Doolin Avenue: -1.425            294 Sandusky St.: -1.230 24 Harmony Drive: -1.220 847 Doolin Avenue: -1.398            294A Sandusky St.: -1.255 25 Harmony Drive: -1.233 858 Doolin Avenue: -1.424            296 Sandusky St.: -1.268 26 Harmony Drive: -1.226 859 Doolin Avenue: -1.416            307 Sandusky St.: -1.284 28 Harmony Drive: -1.236 909 Doolin Avenue: -1.411            326 Sandusky St.: -1.266 30 Harmony Drive: -1.208 915 Doolin Avenue: -1.412            328 Sandusky St.: -1.273 32 Harmony Drive: -1.257 922 Doolin Avenue: -1.391            334 Sandusky St.: -1.281 34 Harmony Drive: -1.265 924 Doolin Avenue: -1.408            341 Sandusky St.: -1.280 36 Harmony Drive: -1.271 925 Doolin Avenue: -1.382            346 Sandusky St.: -1.283 9 Somerset Drive: -1.231            347 Sandusky St.: -1.267 10 Somerset Drive: -1.240            351 Sandusky St.: -1.287 11 Somerset Drive: -1.239</p>		
[192.465(c)]	Were critical/non critical bonds tested?	Not Checked
<p><b><u>General Comment:</u></b></p> <p>At the time of this audit, there were no bonds within the Jacksonville operating territory. Shortly after this field audit, Staff was informed that a bond on the east side of the Illinois River at Meredosia was assigned to the Jacksonville/Pittsfield Operating Center. Another bond, located on the west side of the Illinois River, will be maintained by the Quincy Operating Center.</p>		

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

[192.467(a)]	Is electrical isolation provided by use of insulated meter spud, valve, union, or flange?	<b>Satisfactory</b>
[192.467(c)]	Were casings installations tested for electrical isolation?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>  <i>Casings were tested for electrical isolation at the following locations in Jacksonville:</i>  <i>Railroad crossing at E. Independence Ave. &amp; Illinois Ave.:</i> <i>Casing: -.756</i> <i>Pipeline: -1.328</i>  <i>Road crossing at E. Independence Ave., West of Hooker St.:</i> <i>Casing: -1.509</i> <i>Pipeline: -1.299</i>  <i>Railroad crossing at E. State St. &amp; Illinois Ave.:</i> <i>Casing: -.773</i> <i>Pipeline: -1.18</i>  <i>Road crossing at Hardin Ave., &amp; Morton Ave.:</i> <i>Casing: -.724</i> <i>Pipeline: -1.242</i>  <i>Railroad crossing at E. Laurel Dr.:</i> <i>Casing: -1.034</i> <i>Pipeline: -1.168</i>  <i>Railroad crossing at Vandalia and Gibson:</i> <i>Casing: -1.579</i> <i>Pipeline: -1.217</i>  <i>Road crossing at Hoagland and Park:</i> <i>Casing: -.664</i> <i>Pipeline: -1.082</i>		
[192.479(a)]	Is the above ground piping coated or painted as required?	<b>Unsatisfactory</b>
<b><u>Issue Comment:</u></b>  <i>The meter set at 285 Sandusky, Jacksonville, had minor atmospheric corrosion present.</i>		
[192.479(c)]	Is the pipeline free of corrosion or pitting?	<b>Satisfactory</b>
<b>DAMAGE PREVENTION</b>		<b>Status</b>
[192.614]	Does the operator have a valid notification of planned excavation activities?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>  <i>Staff observed locating activities conducted by USIC for a service at 294 Sandusky Street, Jacksonville. JULIE #A040305, Ameren Job #108931.</i>		
[265.40(a)]	Did the operator complete the locating activities in the specified timeframe?	<b>Satisfactory</b>
[192.614(c)(5)]	Were temporary markings made in accordance with the operator's Operation and Maintenance Manual?	<b>Satisfactory</b>
[192.707(a)(1)]	Are line markers placed and maintained as close as practical over each buried	<b>Satisfactory</b>

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

	main and transmission line located at each crossing of a public road and railroad?	
<p><b><u>General Comment:</u></b></p> <p><i>Line markers were observed at the following locations in Jacksonville:</i></p> <p><i>The railroad crossing at E. Independence Ave. &amp; Illinois Ave.</i>  <i>The road crossing on E. Independence Ave. (west of Hooker St.)</i>  <i>The road crossing at Myrtle &amp; E. Independence Ave.</i>  <i>The railroad crossing at E. State St. &amp; Illinois Ave.</i>  <i>The road crossing at Hardin Ave. &amp; Morton Ave.</i>  <i>The railroad crossing at the dead end of E. Laurel Dr.</i>  <i>The road crossing at Hoagland &amp; Park</i></p>		
[192.707(a)(2)]	Are line markers placed and maintained as close as practical over each buried main and transmission line located wherever necessary to identify the location of the transmission line or main to reduce the possibility of damage or interference?	<b>Satisfactory</b>
[192.707(c)]	Are line markers placed and maintained as close as practical over each main and transmission line located above ground?	<b>Satisfactory</b>
<p><b><u>General Comment:</u></b></p> <p><i>Staff observed line markers at the following above ground facilities:</i></p> <p><i>State Street Regulator Station</i>  <i>Hardin Station (near MacMurray College)</i>  <i>Oak Street Station</i>  <i>Massey Lane Regulator Station.</i></p>		
[192.707(d)(1)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The word "Warning," "Caution," or "Danger" followed by the words "Gas (or name of gas transported) Pipeline" all of which, except for markers in heavily developed urban areas, must be in letters at least 1 inch (25 millimeters) high with ¼ inch (6.4 millimeters) stroke?	<b>Satisfactory</b>
<p><b><u>General Comment:</u></b></p> <p><i>All line markers observed contained the required information in the necessary format.</i></p>		
[192.707(d)(2)]	Do the operator's line markers contain the following information: The following must be written legibly on a background of sharply contrasting color on each line marker: The name and phone number (including area code) of the operator where the operator can be reached at all times?	<b>Satisfactory</b>
<p><b><u>General Comment:</u></b></p> <p><i>All line markers observed contained the required information in the necessary format.</i></p>		
<b>PRESSURE LIMITING AND REGULATING DEVICES (MECHANICAL)</b>		<b>Status</b>
[192.739(a)(4)]	Was each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment subjected at intervals not exceeding 15 months, but at least once each calendar year, to inspections and tests to determine that it is properly installed and protected from dirt, liquids, or	<b>Satisfactory</b>

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.  
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

	other conditions that might prevent proper operation.?	
<b><u>General Comment:</u></b> <i>Staff inspected the following regulator stations.</i>  <i>State Street Station</i> <i>Hardin Station (by MacMurray College)</i> <i>Oak Street Station</i> <i>Massey Lane Station (near Western Knolls)</i>  <i>Hardin Station and Massey Lane Station were tested for lock up. Both stations failed due to a greasy substance on the boot of the regulator. (See exit statement for additional details.)</i>		
[192.317(b)]	Is each above ground transmission line or main protected from accidental damage by vehicular traffic or other similar causes?	<b>Satisfactory</b>
[192.741(a), 192.741(c)]	Were telemetering and/or recording gauges inspected for abnormally high or low pressure indications?	<b>Not Checked</b>
<b><u>General Comment:</u></b> <i>All regulator stations observed were equipped with ERX telemetry devices. Data is sent to Ameren's Gas Control center and was not inspected as part of this audit.</i>		
[192.743(a)]	Is overpressure protection provided on the pipeline downstream of the take point?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Ameren Jacksonville has several take points within the operating center territory. Ameren has initiated a program for installing overpressure protection at locations within the Jacksonville Service Area where the supplier does not provide overpressure protection.</i>		
[192.199(d)]	Were the pressure relief or pressure limiting devices inspected to determine if the support was made of noncombustible material?	<b>Satisfactory</b>
[192.199(e)]	Were the pressure relief or pressure limiting devices inspected to determine if the discharge stacks, vents, or outlet ports were designed to prevent accumulation of water, ice, or snow, and located where gas can be discharged into the atmosphere without undue hazard?	<b>Satisfactory</b>
[192.199(h)]	Was each valve, designed to isolate the system under protection from its source of pressure, secured to prevent unauthorized operation of any stop valve that will make the pressure relief valve or pressure limiting device inoperative?	<b>Satisfactory</b>
<b>VALVE MAINTENANCE</b>		<b>Status</b>
[192.747(a)]	Were the valves readily accessible and was the operator able to access the valve with the appropriate valve wrench?	<b>Satisfactory</b>
<b><u>General Comment:</u></b> <i>Staff inspected emergency valves at the following locations:</i>  <i>Webster &amp; LaFayette: #738987</i> <i>Oak Street Station: #10361863 (inlet valve)</i> <i>Oak Street Station: #10861864 (outlet valve)</i> <i>College &amp; S. Park: #739069 (NW side of intersection)</i> <i>College &amp; S. Park: #739068 (SE side of intersection)</i> <i>Grove &amp; S. Park: #739003</i> <i>S. Park &amp; Edgehill: #739000</i> <i>College &amp; Main: #739061</i>		

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

E. Michigan & Hardin: #735736  
 S. Main & W. Greenwood: #737086  
 Libby Lane & Morton: #50145281  
 Hardin Street Regulator Station: #50168346 (inlet valve)

ODORIZATION OF GAS		Status
[192.625(a)]	Was the odor intensity level readily detectable at or below 1/5th LEL?	Satisfactory
<p><b><u>General Comment:</u></b></p> <p>Staff observed the following odor intensity checks.</p> <p>1119 Edwards, Beardstown            Test point: JSV-7-008            Threshold: .25% gas in air            Readily detectable: .33% gas in air</p> <p>115 W. Lake, Chandlerville            Test point: JSV-7-007            Threshold: .25% gas in air            Readily detectable: .40% gas in air</p> <p>200 E. 4th Street, Pleasant Plains            Test point: JSV-7-006            Threshold: .25% gas in air            Readily detectable: .33% gas in air</p>		
[192.625(e)]	Was the Odorization equipment and tank levels inspected?	Not Checked
<p><b><u>General Comment:</u></b></p> <p>Staff did not inspect odorization equipment as part of this field audit.</p>		
[192.625(f)]	Was the operator's equipment calibrated as required?	Satisfactory
<p><b><u>General Comment:</u></b></p> <p>All tests were performed utilizing a Heath Odorator, Serial #2380-4, calibrated on 1/5/2016.</p>		
TRANSMISSION		Status
<p><b><u>Category Comment:</u></b></p> <p>No transmission pipelines were inspected as part of this field audit.</p>		
[192.179(b)(1)]	Are transmission valves protected from tampering or damage?	Not Checked
[192.745(a)]	Were the valves inspected accessible?	Not Checked
[192.719(a)]	Is pre-tested transmission pipe inventory maintained for use in an emergency?	Not Checked
[192.179(c)]	If blow down activities were observed, were the blow down valves properly sized to allow the transmission pipeline to vent as rapidly as practicable and did the blow down vent freely to atmosphere away from any hazards?	Not Checked
MARKING OF MATERIAL		Status
[192.63(a)]	Does the operator's components and pipe contain the required markings?	Satisfactory
<p><b><u>General Comment:</u></b></p>		

# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

All components inspected during the field audit contained the required markings to indicate the size, manufacturer, pressure rating and model of equipment.

OPERATOR QUALIFICATION	Status
Was a PHMSA Form 15 Operator Qualification Field Inspection Protocol Form completed?	No
<b>General Comment:</b>  Staff did not complete PHMSA Form 15, however obtained qualification records for the following field employees performing operations and maintenance activities during the field audit.  James Icennogle (Employee #29654) OQ date: 7/17/2014  Scott Grogan (Employee #35619) OQ date: 4/13/2015  Stanley Fanning (Employee # 44050) OQ date: 9/4/2013  Dell Drumeller (Employee # 29605) OQ date: 9/9/2014  Sharon Ryman (Employee # 29573) OQ date: 4/23/2015	



# STANDARD INSPECTION REPORT OF A GAS OPERATOR FIELD AUDIT

## FIELD AUDIT

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.